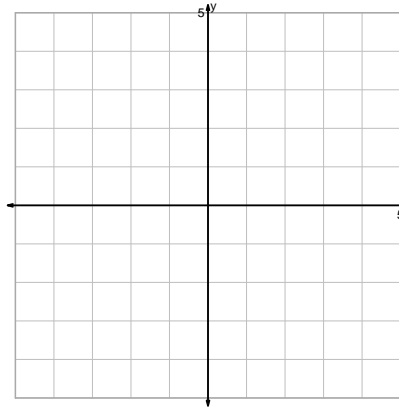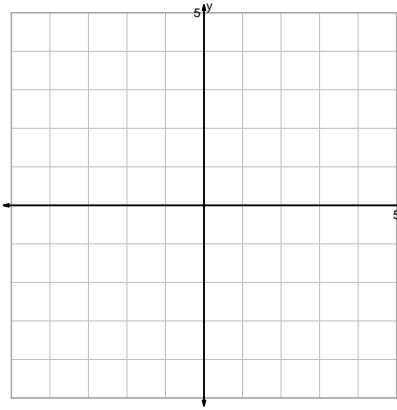# Unit-2 Reduced Mastery Assessment (version 309)

Question 1 (20 points)

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.
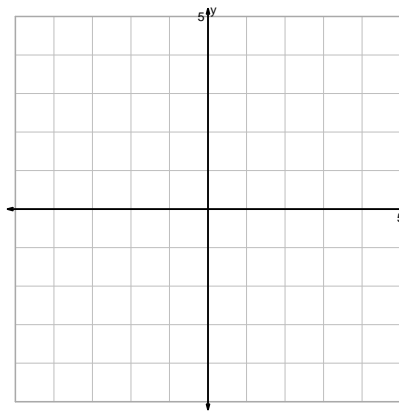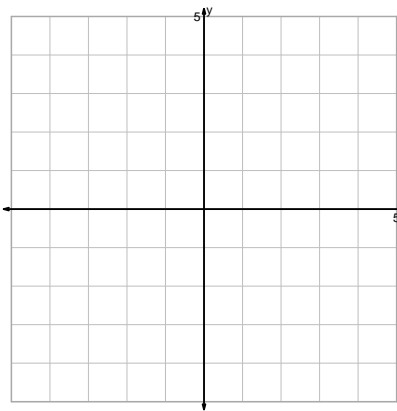
$y = \left(x - 2\right)^3$
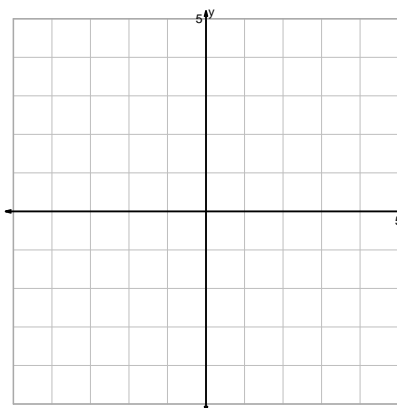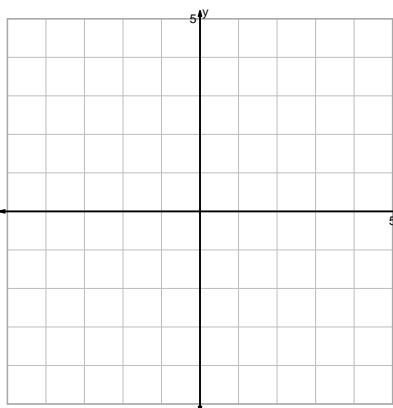
$y = 2 \cdot \sqrt[3]{x}$

$y = \sqrt[3]{2x}$

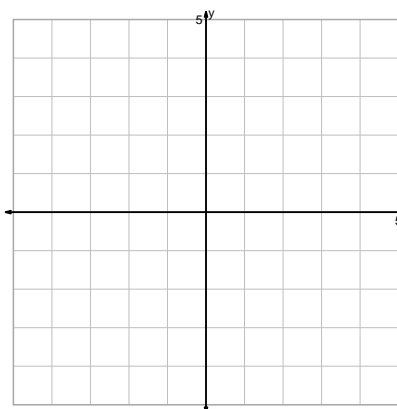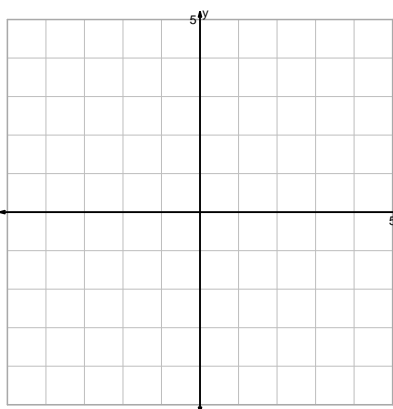$y = \log_2\left(-x\right)$
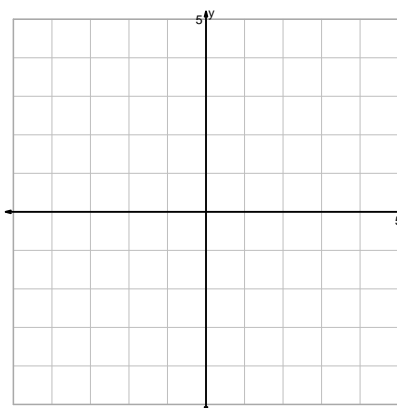
$y = \sqrt{\dfrac{x}{2}}$
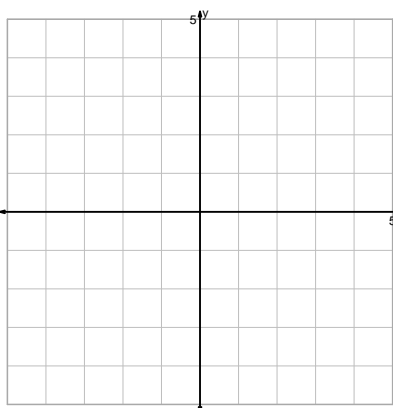
$y = x^3 - 2$

$y = -\sqrt{x}$

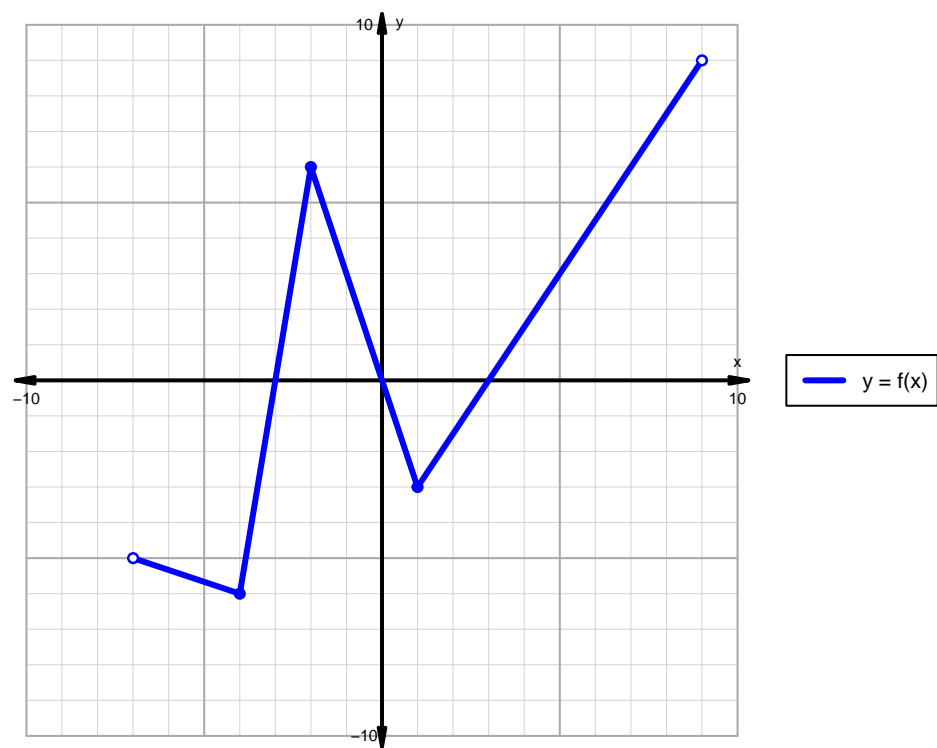$y = \log_2\left(x\right) + 2$

$y = 2^{x+2}$

$y = \dfrac{x^2}{2}$

Question 2 (20 points)

A function is graphed below.

Indicate the following intervals using interval notation.

Feature	Where
Positive	
Negative	
Increasing	
Decreasing	
Domain	
Range	